(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 3 March 2005 (03.03.2005)

PCT

(10) International Publication Number WO 2005/019908 A1

(51) International Patent Classification⁷: (51) A61L 12/02

G02C 13/00,

(21) International Application Number:

PCT/GB2004/003517

(22) International Filing Date: 13 August 2004 (13.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0319356.2

18 August 2003 (18.08.2003) GB

(71) Applicant and

(72) Inventor: IFEJIKA, Charles [GB/GB]; 13a Warwick Road, Earls Court, London SW5 9UL (GB).

(74) Agent: JENSEN & SON; 366-368 Old Street, London EC1V 9LT (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

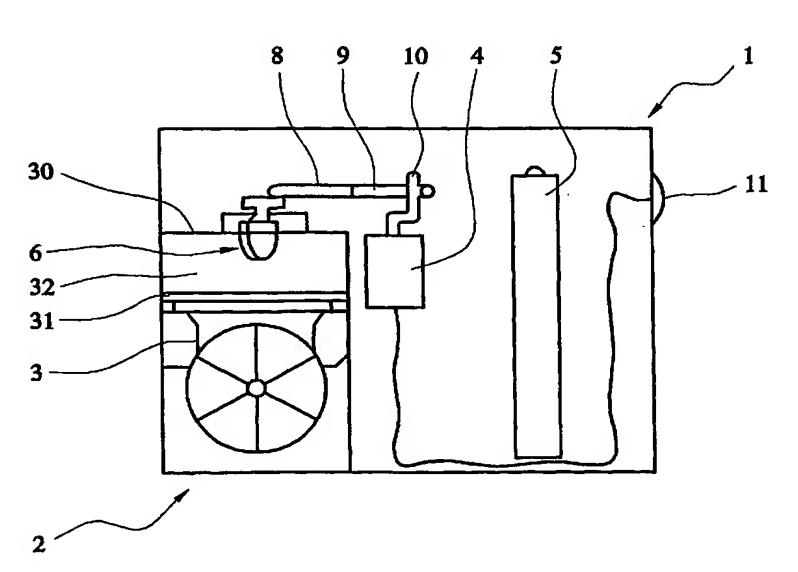
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONTACT LENS CLEANING DEVICE



(57) Abstract: A device for cleaning contact lenses comprising a solution chamber and a motor (4) adapted to impart a reciprocating and vibrational motion to a contact lens holder (3). The contact lens holder (3) is adapted to receive one or more contact lenses, which holder, in use, is for insertion in the solution chamber (2), the holder (3) being adapted to permit fluid flow to the contact lens or lenses. The holder has first and second baskets (34, 36) each adapted to receive a contact lens, which lens has an inner and an outer surface, the first and second baskets being oriented such that, in use, the respective inner surfaces of the contact lenses are remote from one another. In use, the reciprocating and vibrational motion imparted to the contact lens holder (3) generates bubbles in a solution in the solution chamber (2), which bubbles contribute to fluid turbulence at a surface of the contact lens, thereby assisting in the cleaning of the lens.